

Messages and Themes

- We need to have nuclear power to accomplish the Exploration Vision
 - References to support this
 - Cassini -- if it wasn't for nuclear power, it wouldn't have been possible
- There are distinct mission classes that require nuclear reactors
 - Deep space robotic
 - Planetary surface
 - Human missions
- The safe use of Nuclear power is achievable (but not easy), it requires:
 - Resources for infrastructure
 - People, time (multiple administrations), facilities, technology development etc.
 - A nuclear safety and quality culture
 - Focus
- The progression of mission classes should be (TBD)
 - Must have an anchor -- that fits the NASA vision with a needed schedule
 - Committee needs to prioritize what needs to be done
 - First Mission class(es)?
 - Outer planet exploration, Lander, NEP, other?
 - Need to define major milestones for successes to occur every few years
 - e.g. Zero power critical power test

Messages and Themes

- The first mission class must be pursued with full force and full focus
 - ***It has to Succeed***
 - You can't progress a nuclear system development on a hobby level
- Translate missions to requirements and recommend which nuclear technologies apply to which mission classes
 - Power and propulsion
 - Radioisotope and reactors
 - Need to quantify requirements to do this
 - Power, life, energy, other
- Present a sequential development plan to other mission classes/categories
 - Based on first mission class success and future mission needs